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## LIST OF CLAIMS, SHOWING THE STATUS OF EACH CLAIM

Underlining denotes added text while strikethrough denotes deleted text.

## IN THE CLAIMS:

- 1. (Original) A process for enhanced secretion of a polypeptide in bacteria, comprising:
- (a) culturing bacterial cells that contain a recombinant expression vector comprising a first DNA sequence encoding a polypeptide that can be secreted by the bacteria and a second DNA sequence encoding a charged, amino-acid tag covalently bonded at the carboxy-terminus of said polypeptide, such that the polypeptide is produced by the cells; and
  - (b) optionally, recovering the polypeptide from the culture medium.
- (Original) The process of claim 1, wherein said tag comprises one or more charged amino acid residues.
- (Original) The process of claim 2, wherein said tag comprises at least two negatively charged amino acid residues or at least two positively charged amino acid residues.
- 4. (Original) The process of claim 3, wherein said tag comprises two negatively charged amino acid residues, selected from the group consisting of D and E.
- 5. (Original) The process of claim 4, wherein said tag comprises two D residues.
- 6. (Original) The process of claim 3, wherein said tag comprises two positively charged amino acid residues, selected from the group consisting of K and N.

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- 7. (Original) The process of claim 6, wherein said tag comprises two K residues
- 8. (Original) The process of claim 1, wherein said bacteria is a *Bacillus* species.
  - 9. (Original) The process of claim 8, wherein said bacteria is B. subtilis.
- 10. (Original) The process of claim 1, wherein said expression vector further includes a DNA sequence encoding a signal peptide operatively linked to said first DNA sequence.
- 11. (Original) The process of claim 10, wherein said signal peptide is *B. licheniformis* α-amylase (AmyL) signal peptide.
- 12. (Original) The process of claim 1, wherein said polypeptide is a heterologous protein selected from the group consisting of hormones, enzymes, and growth factors.
- 13. (Original) The process of claim 12, wherein said protein is human interleukin.
- 14. (Original) A method for enhancing the secretion of a heterologous polypeptide in a *Bacillus* species, comprising: substituting one or more of the C-terminal amino acids residues of said polypeptide with at least one charged amino acid residue, or adding one or more charged amino acid residues to the C-terminus of said polypeptide.
- 15. (Original) The method of claim 14, wherein the last two amino acid residues of said polýpeptide are substituted with a D.

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- 16. (Original) The method of claim 14, wherein the last two amino acid residues of said polypeptide are substituted with a E.
- 17. (Original) The method of claim 14, wherein the last two amino acid residues of said polypeptide are substituted with a K.
- 18. (Original) The method of claim 14, wherein the last two amino acid residues of said polypeptide are substituted with a N.
- 19. (Original) The method of claim 14, wherein two D residues are added at the C-terminus of said polypeptide.
- 20. (Original) The method of claim 14, wherein two E residues are added at the C-terminus of said polypeptide.
- 21. (Original) The method of claim 14, wherein two K residues are added at the C-terminus of said polypeptide.
- 22. (Original) The method of claim 14, wherein two N residues are added at the C-terminus of said polypeptide.

Claims 23-52. (Cancelled)